datavideo | PRODUCT GUIDE 2015

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Mobile Video Studio

LIVE IN SECONDS

HD/SD 12-Channel Mobile Video Studio (OBV)

OBV-2800

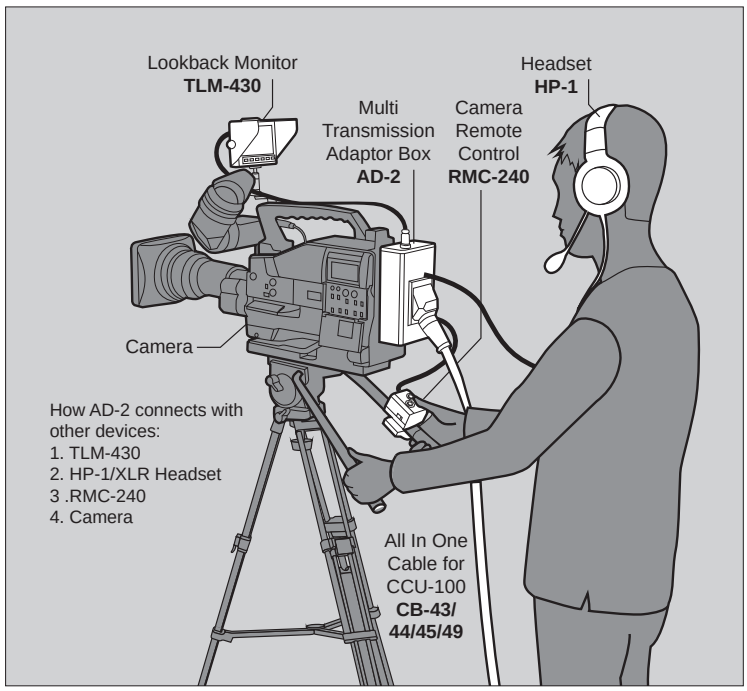
OBV-2800 is a PPU (portable production unit), designed to fit into the back of a small van to provide complete mobile production facilities. It's a mobile, transportable solution for broadcasters and professionals for both in-studio and on-location productions.

Built around the latest HD / SD switcher, it supports up-to 12 channels of HD/SD-SDI, HDMI or composite video signals. The system is integrated, compact and sturdy with a metal framework for great stability and protection yet provides room for future expansion.

With power-efficient modules, OBV-2800 can be powered by a DC 12V supply, is easy to install, and is cost effective.

Model	OBV-2800	OBV-2800-CCU	MRS-2800
Description	OBV Rack System 8/12-CH HD/SD-SDI inputs 27RU Mobile Rack System (x 2)	OBV Rack with Camera Control System 8/12-CH HD/SD-SDI inputs 27RU Mobile Rack System (x 2)	Mobile Rack System 8/12-CH HD/SD-SDI inputs 27RU Mobile Rack System
Configuration			
Digital Video Switcher	SE-2800-8/12	SE-2800-8/12	SE-2800-8/12
17.3" Rack Mount LCD	TLM-170GR x 2	TLM-170GR x 2	TLM-170GR x 1
HD/SD SDI Recorder	HDR-70 x 1	HDR-70 x 1	HDR-70 x 1
Intercom/Tally system	ITC-100 w/4 Belt pack	ITC-100 w/4 Belt pack	ITC-100 w/4 Belt pack
SDI Vector Scope	VSM-100	VSM-100	----
Audio Mixer (6-CH)	AD-200	AD-200	----
Audio Delay Box	AD-200	AD-200	AD-100 with RMK-1
Power distributor (8-way)	PD-2A	PD-2A	PD-2A
Return Video (8-CH CV)	RP-45A	----	----
Camera Control System	----	CCU-100 + AD-2 + CB-45	----
Camera Power Distributor	PD-3A	PD-6	----
Title Creator	----	TC-200	----
Highlight Replay Recorder	----	HDR-10	----
HD/SD SDI Amplifier	VP-445 x 1	VP-445 x 1	VP-445 x 1
Rack System Integration	27RU Mobile Rack System x 2	27RU Mobile Rack System x 2	27RU Mobile Rack System
Options			
SDI Vector Scope	----	----	VSM-100
Return Video (8-CH CV)	----	----	RP-45A
Camera Power Distributor	----	----	PD-6
Camera Power Regulator	DDC-4012H (9-30V to DC12V)	DDC-4012H (9-30V to DC12V)	DDC-4012H (9-30V to DC12V)
Redundant Power (360W)	PD-4A	PD-4A	PD-4A
Multi-Camera Control	MCU-200P/S	----	MCU-200P/S
Return Video LCD (CV)	TLM-430 with Ball head	TLM-430 with Ball head	TLM-430 with Ball head
SDI/CV/ITC/DC cable	CB-22H/CB23H (30m/50m)	CB-22H/CB23H (30m/50m)	CB-22H/CB23H (30m/50m)
CB-22H/23H Repeater	VP-605H	VP-605H	VP-605H
SDI/CV/ITC/Cat-5 cable	CB-30/31/38 (30/50/40m)	CB-30/31/38 (30/50/40m)	CB-30/31/38 (30/50/40m)
SDI/ITC cable	CB-46/47/48 (30/50/100m)	CB-46/47/48 (30/50/100m)	CB-46/47/48 (30/50/100m)
ITC/Tally cable	CB-3/CB-4 (20m/50m)	CB-3/CB-4 (20m/50m)	CB-3/CB-4 (20m/50m)
100m SDI Repeater	VP-633/VP-634	VP-633/VP-634	VP-633/VP-634

Camera Control System

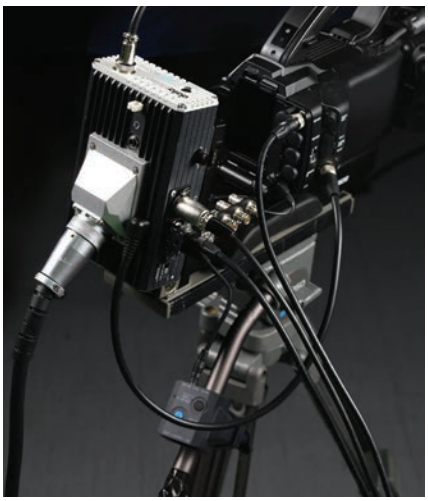


Camera Control Unit
CCU-100

Multi Transmission Adaptor Box
AD-2

All in One Cable for CCU-100
CB-45

The camera control system CCU-100, AD-2 and CB-45 provide a robust 70M all-in-one cable link between a professional camera and a digital video switcher system.
The system simultaneously transports digital SDI and analog signals as well as camera control, look back, camera view finder data, Tally and intercom call signals between the camera and switcher system.



Close look of AD-2 Multi Transmission Adapter Box and CB-45 All in One Cable for CCU-100

HD/SD 12-Channel Mobile Video Studio

MS-2800

MS-2800 is a light weight video studio that is ready to go. It's designed around the SE-2800 switcher to work in high and standard definition. It's perfect for outdoor events, conferences, education, places of worship and many more applications. It's ideal for users that require a flexible but affordable system, a true one box 'live in seconds' studio solution with easy setup and break down at any location.

Model	MS-2800A	MS-2800B
Description	Mobile Video Studio 8/12-CH HD/SD-SDI inputs 8RU Flight Case	Mobile Video Studio 8/12-CH HD/SD-SDI inputs 8RU Flight Case
Configuration		
Digital Video Switcher	SE-2800-8/12	SE-2800-8/12
17.3" Rack Mount LCD	TLM-170GM x 1	TLM-170GM x 1
HD/SD SDI Recorder	HDR-70 x 1	HDR-70 x 1
Intercom/Tally system	ITC-100 w/4 Belt pack	ITC-100 w/4 Belt pack
SDI Vector Scope	----	VSM-100
Audio Mixer and Delay Box	AD-200	AD-200
Power distributor (8-way)	PD-2A	PD-2A
Return Video (8-CH CV)	----	RP-45A
Camera Power Distributor	----	PD-3A
HD/SD SDI Amplifier	----	VP-445
Rack System Integration	8RU Flight Case	8RU Flight Case
Options		
Camera Power Regulator	DDC-4012H (9-30V to DC12V)	DDC-4012H (9-30V to DC12V)
Multi-Camera Control	MCU-100P/S	MCU-100P/S
Return Video LCD (CV)	TLM-430 with Ball head	TLM-430 with Ball head
SDI/CV/ITC/DC cable	CB-22H/CB23H (30m/50m)	CB-22H/CB23H (30m/50m)
CB-22H/23H Repeater	VP-605H	VP-605H
SDI/CV/ITC/Cat-5 cable	CB-30/31/38 (30/50/40m)	CB-30/31/38 (30/50/40m)
SDI/ITC cable	CB-46/47/48 (30/50/100m)	CB-46/47/48 (30/50/100m)
ITC/Tally cable	CB-3/CB-4 (20m/50m)	CB-3/CB-4 (20m/50m)
100m SDI Repeater	VP-633/VP-634	VP-633/VP-634

Model	HS-2800	HS-2200	HS-600
Built-in Monitor Display	17.3” HD TFT LED back-lit, 1600x900 pix		
Video Standard	HD & SD	HD	SD only
Video Format	1080i 50/59.94/60Hz 576i 50Hz, 480i 59.94Hz	1080i 50/59.94/60Hz 720p 50/59.94/60 Hz 576i 50Hz, 480i 59.94Hz	NTSC, PAL
Input Routable / Crosspoint	Fixed	All 6, repeatable	All 8, repeatable
Video Input	Standard: 8x SDI, 2x HDMI, 4x CV Max: 12x SDI, 3x HDMI, 6x CV	6x HD-SDI, 2x HDMI (on CH5 & 6)	6x CV 1x DVI-D 1x DVI-I (VGA, need cable adapter)
Computer Graphic Interface	Max 3 via HDMI	2 via HDMI	Max 2 via DVI-D, HDMI or VGA (need cable adapter for HDMI & VGA)
Down-converted output	2x SDI	N/A	N/A
Video output	2x SDI assignable: PGM, PVW, AUX & Clean Out 1x HDMI assignable: PGM & Multi-view	5x SDI Outputs assignable: AUX 1-4, PGM, PVW, PGM Clean or Multi-view 1x HDMI assignable: PGM or Multi-view	2xCV + 1xY/C or 1x CV + 1x YUV: PGM 2xCV: AUX 1 2xCV: AUX 2 1xDVI-D: Multi-view Option: 2x DV & 2x SDI
Audio input	4x Balanced XLR	4x Balanced XLR	2x Balanced XLR (Line / Mic) 2x Unbalanced RCA (Stereo pair)
Audio output	2x Balanced XLR	2x Balanced XLR	2x Balanced XLR 2x Unbalanced RCA (Stereo pair)
Embedded audio support	Input up to 16 channels, Output 4 channels	Input up to 16 channels, Output 4 channels	Output only (optional DV & SDI)
Audio Delay Calibration	Up to 8 frames	N/A	Up to 700ms or 17 frames
A+V switching	Yes	Yes	Yes
DSK	2x DSK support Lumakey & Linear key (Key / Fill)	1x DSK support Lumakey & Linear key (Key / Fill)	1x Lumakey
Picture in Picture	2	2	2
Logo Insertion	2 (or 1 logo + 1 clock)	2 (or 1 logo + 1 clock)	2
Built-in Audio Mixer	N/A	N/A	3 channels
Built-in Intercom & Tally	8 channels (4 belt-packs incl.)		
Dimension (LxWxH)	455 x 355 x 134 mm		
Weight	19.6 Lbs (9 Kg), Reinforce Plastic Case		

HD/SD 12-Channel Digital Video Switcher

SE-2800

Model	SE-2800	SE-2200	SE-1200MU
Video Standard	HD & SD	HD	HD
Video Format	1080i 50/59.94/60Hz 576i 50Hz, 480i 59.94Hz	1080i 50/59.94/60Hz 576i 50Hz, 480i 59.94Hz 720p 50/59.94/60 Hz	1080i 50/59.94/60Hz 720p 50/59.94/60Hz
Video Processing	SDI: 4:2:2 HDMI: YUV 4:2:2, RGB 4:4:4	SDI: 4:2:2 HDMI: YUV 4:2:2, RGB 4:4:4	SDI: 4:2:2 HDMI: YUV 4:2:2, RGB 4:4:4
Input Routable / Crosspoint	Fixed	All 6, repeatable	All 6, repeatable
Video Input	Standard: 8x SDI, 2x HDMI, 4x CV Max: 12x SDI, 3x HDMI, 6x CV	6x HD-SDI, 2x HDMI (on CH5 & 6)	4x HD-SDI 2x HDMI (RGB/YUV, 1080i/1080p/720p)
Mix HD & SD source	Yes	N/A	N/A
Computer Graphic Interface	Max 3 via HDMI	2 via HDMI	2 via HDMI
Video output	3x SDI assignable: PGM, PVW, AUX & Clean Out 2x HDMI assignable: PGM & Multi-view	6x SDI Outputs assignable: AUX 1-4, PGM, PVW, PGM Clean & Multi-view 2x HDMI assignable: PGM & Multi-view	2x HD-SDI & 2x HDMI assignable: PGM(w/DSK 1&2), PGM(w/DSK 1), PGM Clean, PVW(w/o DSK), Multi-view, Input 1-6
Down-converted output	Yes, 2x SDI (CH2 & CH3)	N/A	N/A
Built-in Multi-view monitoring out	2x HDMI	2x HDMI	HDMI & Ethernet (MJPEG)
Audio input	4x Balanced XLR	4x Balanced XLR	2x Balanced XLR
Audio output	2x Balanced XLR	2x Balanced XLR	N/A
Embedded audio support	Input up to 16 channels, Output 4 channels	Input up to 16 channels, Output 4 channels	Only embedded analog audio
Audio Delay Calibration	Up to 8 frames	N/A	N/A
A+V switching	Yes	Yes	Yes
Chromakey	N/A	N/A	2 Keyers
DSK	2x DSK support Lumakey & Linear key (Key / Fill)	1x DSK support Lumakey & Linear key (Key / Fill)	2x DSK support Lumakey & Linear key (Key / Fill)
Picture in Picture	2	2	1
Logo Insertion	2 (or 1 logo + 1 clock)	2 (or 1 logo + 1 clock)	N/A
Still Store	12	6	24
Effects	FTB, Cut, 8 Wipe with border	FTB, Cut, 8 Wipe with border	FTB, Cut, 32 Wipe with border
Transition Preview	PiP & DSK	PiP & DSK	Full transitions preview
Sync / Reference In/Out	Built-in Genlock Support external sync with loop thru	Built-in Genlock	N/A
Tally Output	1x D-sub 25pin, dual color	1x D-sub 25pin, dual color	1x D-sub 15pin, dual color
PC Remote Control	Via Ethernet (free Window software) or RS-422 / RS-232	Via Ethernet (free Window software) or RS-422 / RS-232	Via Ethernet (free Window software) or RS-422
Built-in Audio Mixer	N/A	N/A	N/A
Special Features	2-CH SD downconvert output	6x6 Matrix seamless switch	Motion JPEG Multi-view streaming
Chassis	2 units, rack-mount mainframe	2 units, rack-mount mainframe	1RU Rack-mount
Power	DC 12V 48W	DC 12V 32W	DC 12V 30W

HD 6-Channel Digital Video Switcher

SE-2200

Model	SE-700	SE-600	SE-500
Video Standard	HD	SD	SD
Video Format	1080i 50/59.94/60Hz 720p 50/59.94/60Hz	NTSC, PAL	NTSC, PAL
Video Processing	SDI: 4:2:2 HDMI: YUV 4:2:2, RGB 4:4:4	4:2:2	4:2:2
Input Routable / Crosspoint	All 4, repeatable	All 8, repeatable	Fixed
Video Input	2xHD-SDI 2xHDMI	6x CV, 1x DVI-D (or HDMI) 1x DVI-I (or VGA)	4x CV or 4x Y/C
Mix HD & SD source	N/A	2 built-in down-converter on DVI-D & DVI-I input	N/A
Computer Graphic Interface	2 via HDMI	2 via DVI-D, HDMI or VGA	N/A
Video output	2x HD-SDI & 1x HDMI assignable: PGM(w/DSK),PGM Clean, PVW (w/o DSK),Multi-view, Input 1-4	2xCV + 1xY/C or 1xCV + 1xYUV: PGM 2xCV: AUX 1 2xCV: AUX 2 2xDVI-D: Multi-view Option: 2x DV & 2x SDI	2x CV & 1x Y/C or 1x CV & 1x YUV 1x CV Quad PVW
Down-converted output	N/A	N/A	N/A
Built-in Multi-view monitoring out	HDMI	2x DVI-D	1x CV
Audio input	2x Balanced XLR	2x Balanced XLR (Line / Mic) 2x Unbalanced RCA (pair)	2x ¼" Mic jack 2x Unbalanced RCA (pair)
Audio output	N/A	2x Balanced XLR 2x Unbalanced RCA (pair)	2x Unbalanced RCA (pair)
Embedded audio support	Only embedded analog audio	Output only (optional SDI & DV out)	N/A
Audio Delay Calibration	N/A	Up to 700ms / 17 frames	N/A
A+V switching	Yes	Yes	N/A
Chromakey	2 (M/E keyer + PIP)	N/A	N/A
DSK	1x DSK	1x Lumakey	N/A
Picture in Picture	1	2	1
Logo Insertion	N/A	2	N/A
Still Store	24	1	N/A
Effects	FTB, Cut, 32 Wipe with border	FTB, Cut, Mosaic, Paint, Monochrome, 14 Wipe with border	Quad, Split, 11 Wipe with border
Transition Preview	Full transitions preview	Transition & Effect	Yes
Sync / Reference In/Out	N/A	Built-in Genlock	Built-in Genlock
Tally Output	1x D-sub 15pin, dual color	2x D-sub 15pin, dual color	1x D-sub 15pin, dual color
PC Remote Control	Via Ethernet (free Window software)	Via RS-422	Via RS-232
Built-in Audio Mixer	N/A	3 channels	3 channels
Special Features	N/A	3 Macro Memory Preset	N/A
Chassis	Unibody	Unibody	Unibody
Power	DC 12V 23W	DC 12V 33W	DC 12V 18W

Wide view angle

FULL HD 1080p LCD

LCD Life time 50000 hours

Model	TLM-170P/PM/PR	TLM-170G/GM/GR	TLM-702HD
Screen	17.3" LED Back-Lit	17.3" LED Back-Lit	2x7" LED Back-Lit
Chassis	Tabletop (170P) 1RU Pull-Out (170PM) 7RU Rack Mount (170PR)	Tabletop (170G) 1RU Pull-Out (170GM) 7RU Rack Mount (170GR)	3RU Rack Mount
Resolution	1920x1080	1600x900	800x480
Viewing Angle	(H) +80/-80° (V) +60/-80°	(H) +40/-45° (V) +45/-45°	(H) +70/-70° (V) +50/-70°
Luminance/Contrast	400cd/m2 600:1	220cd/m2 500:1	300cdm2 500:1
Video Inputs	1x 3G/HD/SD-SDI 2x HDMI 1x HD/SD-YUV 2x Composite Video	1x 3G/HD/SD-SDI 2x HDMI 1x HD/SD-YUV 2x Composite Video	2x HD/SD-SDI 2x HD/SD-YUV 2x HDMI 2x Composite Video
Loop Through	1x 3G/HD/SD-SDI 1x Composite Video	1x 3G/HD/SD-SDI 1x Composite Video	N/A
Supported Input Resolutions	1080p(23.98/24/25/30/50/59.9 5/60Hz), 1080i(50/59.94/60Hz), 720p(50/59.94/60Hz), 480i (NTSC), 576i (PAL)	1080p(23.98/24/25/30/50/59.9 5/60Hz), 1080i(50/59.94/60Hz), 720p(50/59.94/60Hz), 480i (NTSC), 576i (PAL)	1080i(50/60Hz) 720p(50/60Hz) 480i(NTSC) 576i(PAL)
Aspect Ratio	16:9, 4:3	16:9, 4:3	16:9, 15:9, 4:3
Tally LED	Live (Red) Cued (Amber)	Live (Red) Cued (Amber)	Live (Red) Cued (Amber)
Audio In/Out	Embedded Audio on SDI and HDMI 3 x Mono RCA Inputs Stereo Speakers	Embedded Audio on SDI and HDMI 3 x Mono RCA Inputs Stereo Speakers	Embedded Audio on SDI and HDMI Audio Level Indicator, 2x Stereo Headphone Jack
Special Features	3G-SDI Support, Picture-in-Picture, Blue Only, Audio Level Indicator, Safe Frame, Pixel Zoom up to 8x, Network IP Remote, SDI Time Code Display	3G-SDI Support, Picture-in-Picture, Blue Only, Audio Level Indicator, Safe Frame, Pixel Zoom up to 8x, Network IP Remote, SDI Time Code Display	Blue Only, Safe Frame, SDI Time Code Display, Audio Level Indicator, Safe Frame
Power	DC 12V, 30 watts	DC 12V, 18 watts	DC 12V, 30 watts

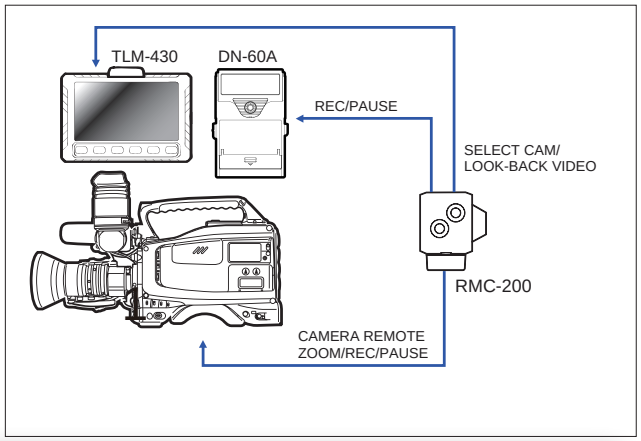
4.3” LOOK-BACK SYSTEM

TLM-43LB

TLM-430+RMC-200

This innovative solution provides an excellent clear shot view for the cameraman.
Datavideo TLM-43LB camera look-back system is a combination of Datavideo TLM-430 4.3” Look-back LCD monitor, tally and intercom system, RMC-200 camera remote controller and an optional DN-60A CF card recorder for Sony, Panasonic and Canon camcorders.

SETUP DIAGRAM



Model	TLM-700HD	TLM-434H	TLM-430
Screen	7" LED Back-Lit	4x4.3" TFT LCD	4.3" TFT LCD
Chassis	Camera Mount	2RU Rack Mount	Camera Mount
Resolution	800x480	480x272	480x272
Viewing Angle	(H) +70/-70° (V) +50/-70°	(H) +80/-80° (V) +80/-80°	(H) +80/-80° (V) +80/-80°
Luminance/Contrast	300cdm2 500:1	320cd/m2 400:1	320cd/m2 400:1
Loop Through	N/A	4x HD/SD-SDI	N/A
Video Inputs	1x HD/SD-SDI 1x HD/SD-YUV 1x HDMI 1x Composite Video	4x HD/SD-SDI 4x HDMI	2x Composite Video
Supported Input Resolutions	1080i(50/60Hz) 720p(50/60 Hz) 480i(NTSC) 576i(PAL)	1080i(50/60Hz) 720p(50/60 Hz) 480i(NTSC) 576i(PAL)	480i(NTSC) 576i(PAL)
Aspect Ratio	16:9, 15:9, 4:3	16:9, 4:3	16:9, 4:3
Tally LED	Live (Red) Cued (Amber)	Live (Red) Cued (Amber)	Live (Red) Cued (Amber)
Audio In/Out	Embedded Audio on SDI and HDMI Audio Level Indicator, 1x Stereo Headphone Jack	Embedded Audio on SDI and HDMI, Audio Level Indicator, 4x Stereo Headphone Jack	N/A
Special Features	Blue Only, Safe Frame, SDI Time Code Display, Audio Level Indicator, Safe Frame, Image Flip, Can powered by batteries (Not Included)	Blue Only, Embedded Time Code Indicator, Safe Frame	Can be powered by DC adaptor, Sony batteries or D-TAP. TLM-43LB Camera look back system (with RMC-200 and control cable)
Power	DC 12V, 18 watts	DC 12V, 15 watts	DC 12V, 6 watts

Up/ Down/ Cross Converter

DAC-70

- 3G/HD/SD Up/Down/Cross convert
- Audio/HDMI/SDI/VGA input
- 3G/HD/SD SDI and HDMI output
- Can be rackmounted using optional RMK-2 2RU Rackmount Kit
- Heavy duty design, robust metal casing
- Low power consumption (30 ~ 50% less than regular converters)
- Low heat dissipation, ideal for long hour operation in normal ventilated environment

Model	DAC-70	DAC-60	DAC-50S
Conversion	VGA/HDMI/SDI to HDMI/SDI Multi-format Up/Down/Cross	3G/HD/SD SDI to VGA	HD/SD SDI to Analog
Video Inputs	Sel.: 1x VGA, 1x HDMI, 1x 3G/HD/SD-SDI	1x 3G/HD/SD-SDI	1x HD/SD-SDI
Loop Through	Yes	Yes	N/A
Video Outputs	2x 3G/HD/SD-SDI with embedded Audio	1x VGA	YUV + Composite or Y/C + 2x Composite
Audio Inputs	2x RCA (Stereo Pair), 1x HD	2CH SDI Audio embedded	2CH SDI Audio embedded
Audio Outputs	2CH HDMI Audio embedded 2CH SDI Audio embedded	N/A	2x RCA (Stereo Pair)
Supported Video Input Format	800x600 (60Hz),1024x768(60Hz), 1280x1024(60Hz),1366x768(60Hz), 1400x1050(60Hz), 1600x1200(60Hz), 480i (NTSC), 576i (PAL), 720p (50/59.94/60Hz),1080i (50/59.94/60Hz), 1080p(23.98/24/25/29.97/30/50/59.94/60Hz)	480i (NTSC), 576i (PAL), 720p (50/59.94/60Hz), 1080i (50/59.94/60Hz), 1080p (23.98/24/25/29.97/ 30/50/59.94/60Hz)	720p (50/59.94Hz), 1080i(50/59.94Hz), 1080p(50/59.94Hz)
Output Resolutions	Sel.: 480i, 576i, 720p (50/59.94/60Hz) 1080i (50/59.94/60Hz) 1080p (23.98/24/25/29.97/30/50/59.94/60Hz)	Sel.: 800x600 (60Hz), 1024x768 (60Hz) 1280x800 (60Hz), 1280x1024 (60Hz), 1366x768 (60Hz), 1400x1050 (60Hz), 1600x1200 (60Hz), 1920x1080 (60Hz), 1920x1200 (60Hz)	Sel.: 480i, 576i
Equalizer	Yes	N/A	Yes
Reclock	Yes	Yes	Yes
SDI Cable Drive	Yes	Yes	Yes
Power	DC 12V, 7.2 watts	DC 12V, 3.6 watts	DC 12V, 6.0 watts
Remarks	- Heavy duty design, robust metal casing - Low power consumption (30 ~ 50% less than regular converters) - Low heat dissipation, ideal for long hour operation in normal ventilated environment - Supports wide range of 3G video formats including 1080p 50/59.94/60Hz (DAC-8P/9P/60/70) - Supports YUV and RGB color space (DAC-8P/9P/60/70) - Can be rackmounted using optional RMK-2 2RU Rackmount Kit - Can be used with DAC accessories: MB-4 DAC Series Battery Holder, and MB-5 DAC Series Tripod Mount		

2x6 3G HD/SD-SDI Distribution Amplifier

VP-597

- 2 x 3G/HD/SD-SDI inputs
- 6 x 3G/HD/SD-SDI distribution outputs
- Supports embedded Audio SDI
- Supports video formats:

- 3G-SDI | HD-SDI: 1080p 50/59.94/60/ 23.98/24/25/30
- SD-SDI 1080i 50/59.4/60/525i /625i/720p/50/59.94/60

- Two input video sources can be controlled by A/B switch or GPI remote

1-4 HD/SD-SDI Distribution Amplifier

VP-445

- Four way HD/SD SDI Distribution Amplifier with Embedded Audio
- Supports multi – standard Operation SD-SDI (SMPTE 259M and SMPTE 344M)
- Supports HD-SDI (SMPTE 292M)

2RU Rackmount Kit

RMK-2

- Rackmount Frame to hold up to 8 DAC Converters
- Built in power distributor for up to 8 converters
- Suitable for DAC-8P, DAC-9P, DAC-60, DAC-70, DAC-80 and future DAC converters

Model	DAC-9P	DAC-8P	DAC-7
Conversion	HDMI to 3G/HD/SD SDI	3G/ HD/SD SDI to HDMI	SD Analog to SD-SDI
Loop Through	N/A	1	N/A
Video Inputs	1x HDMI	1x 3G/HD/SD-SDI	Sel.: 1x CV, 1x YUV, 1x S-Video
Video Outputs	2x 3G/HD/SD-SDI with embedded Audio	1x HDMI with embedded Audio	2x SD-SDI with embedded Audio
Audio Inputs	2CH HDMI Audio embedded	2 x RCA (Stereo Pair) 2CH SDI Audio embedded	2x RCA (Stereo Pair) 2x XLR (Stereo Pair)
Audio Outputs	2CH SDI Audio embedded	2CH HDMI Audio embedded	2CH SDI Audio embedded
Supported Video Input Format	480i (NTSC), 576i (PAL), 720p (50/59.94/60Hz), 1080i (50/59.94/60Hz), 1080p (23.98/24/25/29.97/ 30/50/59.94/60Hz)	480i (NTSC), 576i (PAL), 720p (50/59.94/60Hz), 1080i (50/59.94/60Hz), 1080p (23.98/24/25/29.97/ 30/50/59.94/60Hz)	480i(NTSC), 576i(PAL)
Output Resolutions	Automatically matches the SD, HD and 3G HDMI video input	Automatically matches the SD, HD and 3G SDI video input	Automatically matches the NTSC, PAL video input.
Equalizer	N/A	Yes	N/A
Reclock	N/A	Yes	N/A
SDI Cable Drive	Yes	Yes	Yes
Power	DC 12V, 5 watts	DC 12V, 4 watts	DC 12V, 2.4 watts
Remarks	- Heavy duty design, robust metal casing - Low power consumption (30 ~ 50% less than regular converters) - Low heat dissipation, ideal for long hour operation in normal ventilated environment - Support wide range of 3G video formats including 1080p 50/59.94/60Hz (DAC-8P/9P/60/70) - Support YUV and RGB color space (DAC-8P/9P/60/70) - Can be rackmounted using optional RMK-2 2RU Rackmount Kit - Can be used with DAC accessories: MB-4 DAC Series Battery Holder, and MB-5 DAC Series Tripod Mount		

DAC Series Battery Holder

MB-4

DAC Series Tripod Mount

MB-5

VS-100 Battery Mount Kit

MB-6

BATTERY COMPARISON TABLE

Model \ Battery		SONY NP-F970	SONY NP-F770	SONY BP-U60	SONY BP-U30	Panasonic CGA-D540	Canon BP-975	JVC BN-VF823
		7.2V / 5400mAh	7.2V / 3000mAh	14.4V / 5200mAh	14.4V / 2600mAh	7.2V / 5400mAh	7.4V / 7350mAh	7.2V / 2190mAh
DAC-7	12W	190min	100min	190min	180min	190min	270min	70min
DAC-8P	4W	580min	320min	1120min	560min	580min	815min	230min
DAC-9P	5W	460min	250min	890min	440min	460min	650min	180min
DAC-50	18W	120min	70min	240min	120min	120min	180min	50min
DAC-60	6W	380min	210min	740min	370min	385min	540min	150min
DAC-70	7.2W	320min	180min	620min	310min	320min	450min	130min
VS-100	3.6W	640min	360min	1240min	620min	640min	900min	380min

Hand Carry Recorder System

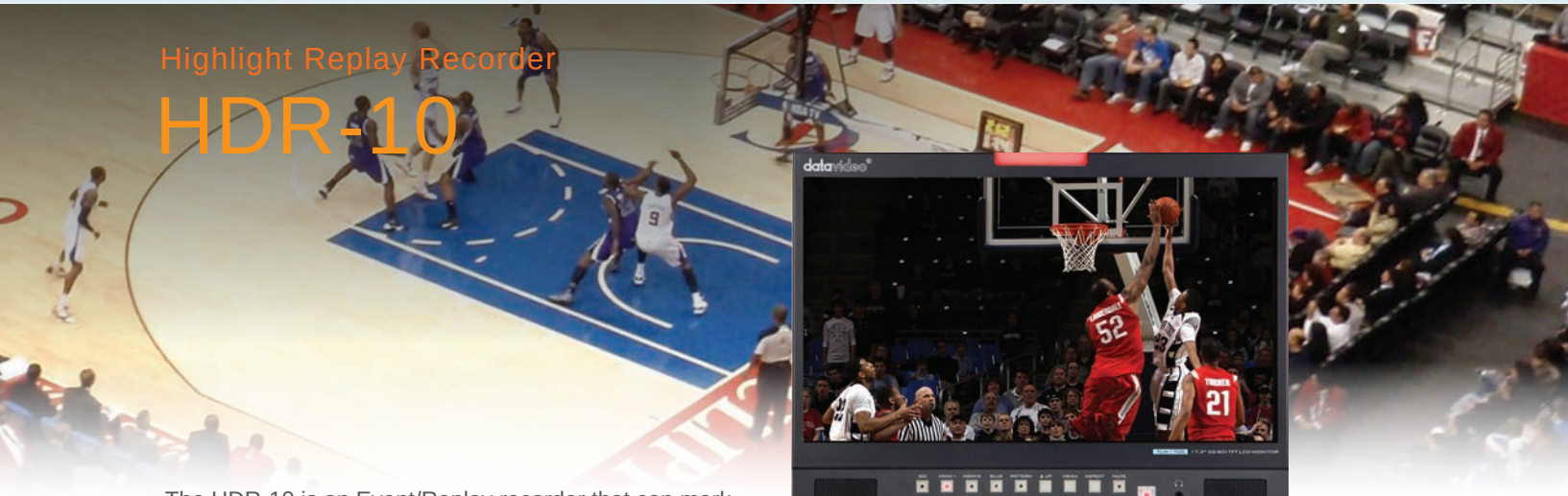
HRS-30

HRS-30 is a new portable recorder and player, which can be used on the field. A removable hard drive base recorder is integrated with one 10.1" monitor for mobile recording. HRS-30 and the HS-2800 switcher can be combined into one complete system for use on any field site.

The HRS-30 records from both High and Standard Definition video equipment via HD/SD-SDI. The HRS-30 supports 1080i, 720p, 576i, 480i video formats and provides a choice of recording formats in MEPG-II Long-GOP or intra-frame (i-frame) with 4:2:2 color sampling. The recorded MXF/ OP1A file format is compatible with a wide range of NLE and play out systems. Storage by a removable hard drive and compatible with 2.5'' HDD & SSD drives.

Model	HRS-30	HDR-60	HDR-70	DN-600	DN-700
Video Standard	HD & SD	HD & SD		SD & HD-ready (HDV)	
Video Format	1080p 23.97/24Hz , 1080i 50/59.94/60Hz 720p 50/59.94/60Hz , 525i/ 625i	1080p 23.97/24Hz , 1080i 50/59.94/60Hz , 720p 50/59.94/60Hz , 525i/ 625i		SD: NTSC, PAL DV/DVCPro25: 576i 50Hz, 480i 59.94/60Hz HDV: 1080i 50/59.94/60Hz, 720p 50/59.94/60Hz	
Supported Video Input Signal	1x SDI	1x SDI		1x CV 1x DV / HDV (IEEE1394 6-pin)	
Monitoring/ Playback output	1x SDI (input loop thru) 1x HDMI, 1x SDI (Out)	1x SDI (input loop thru) 1x HDMI, 1x SDI (Out)		1x CV 1x DV / HDV (In/Out share)	
Analog Audio Input & Audio Output	N/A (input) 3.5Ø phone jack (output)	2x Balanced mini XLR (Stereo pair)	2x Balanced XLR (Stereo pair)	2x Balanced XLR (Stereo pair) 2x Unbalanced RCA (Stereo pair)	
Embedded Audio	SDI Input / Output (8CH) HDMI Output (8CH)	Both In & Out (8-CH on SDI & 4-CH on HDMI)		DV / HDV In/Out (2-CH)	
Storage Medium	Max capacity 750GB on HDD SSD: 120GB / 256GB (recommend)	2.5" Hard Drive / SSD*, Max capacity 750GB		2.5" Hard Drive / SSD*, Max capacity 750GB	
Estimated Record Time (min per 10GB)	SD: 22 (50Mbps) ~ 75 (8Mbps) HD: 10 (125Mbps) ~ 68 (10Mbps)	SD: 22 (50Mbps) ~ 75 (8Mbps) HD: 10 (125Mbps) ~ 68 (10Mbps)		SD / DV: 46 HDV: 50 (1080i) ~ 65 (720p)	
How to Retrieve Recorded Content	Removable Hard Drive / SSD, transfer data via USB 2.0	Removable Hard Drive / SSD, transfer data via USB2.0		- Removable Hard Drive/ SSD, transfer data via USB2.0 - transfer via IEEE1394 (Firewire, in HDD mode)	
Storage File System	NTFS	NTFS (read/write on Window, read only on MAC)		NTFS (read/write on Window & MAC) FAT32 (read/write on Window & MAC)	
Recorded File Format	MXF OP1A, MOV	MXF OP1A, MOV		SD / DV: AVI, MXF OP1A, MOV HDV: M2T	
Video Recording Bit Rate/ Color Sampling	MPEG2 Long GOP HD: 1. 10Mbps 4:2:0 1440x1080/1280x720, 2. 25Mbps 4:2:0 1440x1080/1280x720, 3. 35Mbps 4:2:2 1920x1080/1280x720, 4. 50Mbps 4:2:2 1920x1080/1280x720, 5. 65Mbps 4:2:2 1920x1080/1280x720, 6. 120Mbps 4:2:2 1920x1080/1280x720, MPEG2 Long GOP SD 1. 8Mbps 4:2:0 720x480/720x576 (to be F/W upgrade) 2. 15Mbps 4:2:2 720x480/720x576 3. 30Mbps 4:2:2 720x480/720x576 4. 50Mbps 4:2:2 720x480/720x576 MPEG2 I-Frame Only HD 1. 80Mbps 4:2:2 1920x1080/1280x720 2. 100Mbps 4:2:2 1920x1080/1280x720 3. 125Mbps 4:2:2 1920x1080/1280x720 MPEG2 I-Frame Only SD 1. 25Mbps 4:2:2 720x480/720x576 2. 50Mbps 4:2:2 720x480/720x576			SD / DV: 25Mbps, 4:2:0 DVCPro25: 25Mbps, 4:1:1 HDV: 25Mbps, 4:2:0	
Audio Recording Format	Uncompressed PCM	Uncompressed PCM Sampling rate 48KHz 24bit		MPEG-1 Layer 2, 384kbps Sampling rate 48KHz (16bit), 32KHz (12bit)	
Time code in/out	Yes	Yes		Yes	
External Sync/ Genlock	Black Burst & Tri-level w/loop thru	Black Burst & Tri-level with loop thru		N/A	
Power failure protection	Content saved up to last second before power failure				
Chassis	Desktop	Desktop	1RU 19" rack-mountable	Desktop	1RU 19" rack-mountable

* Check compatible storage on the Datavideo website



Highlight Replay Recorder

HDR-10

The HDR-10 is an Event/Replay recorder that can mark and record compelling scenes during a game or show, then replay it on your switcher.
This is a single channel recorder with a removable hard drive (compatible with 2.5" SSD drives), that can record from both High and Standard Definition video equipment via 3G/HD/SD-SDI and supports 1080p, 1080i, 720p, 576i, and 480i video formats.
The LISN (Local Interconnect Synchronous Network) connector allows you to connect the HDR-10 and an in-line controller. It can also connect another HDR-10 to cascade up to 8 sets of HDR-10's at the same time.

Model	DN-60A	HDR-10
Video Standard	SD & HD-ready (HDV)	HD & SD
Video Format	DV/DVCPro25/DVCpro50: 576i 50Hz, 480i 59.94/60Hz HDV: 1080i 50/59.94/60Hz, 720p 50/59.94/60Hz	720p 50/59.94/60 1080i 50/59.94/60 1080p 23.976/24 1080p 50/59.94/60 480i/576i
Supported Video Input Signal	1x DV / HDV (IEEE1394 6-pin)	1xSDI
Monitoring/ Playback output	1x DV / HDV (In/Out share)	2xSDI
Analog Audio Input & Audio Output	N/A	N/A
Embedded Audio	DV / HDV In/Out (2-CH)	SDI Input
Storage Medium	Compact Flash card*	Internal 4GB Buffer
Estimated Record Time (min per 10GB)	SD / DV: 46 HDV: 50 (1080i) ~ 65 (720p)	N/A
How to Retrieve Recorded Content	Removable CF card, transfer via card reader	Removable Hard Drive / SSD, transfer data via USB 2.0
Storage File System	NTFS (read/write on Window & MAC) FAT32 (read/write on Window & MAC)	NTFS (read only)
Recorded File Format	SD / DV: AVI, MXF OP1A, MOV HDV: M2T	MOV
Video Recording Bit Rate/ Color Sampling	SD / DV: 25Mbps, 4:2:0 DVCPro25: 25Mbps, 4:1:1 DVCPro50: 25Mbps, 4:2:2 HDV: 25Mbps, 4:2:0	Uncompressed 10-bit 4:2:2
Audio Recording Format	MPEG-1 Layer 2, 384kbps Sampling rate 48KHz (16bit), 32KHz (12bit)	Uncompressed PCM
Time code in/out	Via embedded DV/HDV only	Via embedeed SDI only
External Sync/Genlock	N/A	LISN (Local Interconnect Synchronous Network)
Power Failure Protection	Content saved up to last second before power failure	N/A
Chassis	Handheld, Camera-mountable via Ball-head	Desktop/Unibody Rack-mountable with RMK-2 2U Rackmount Kit

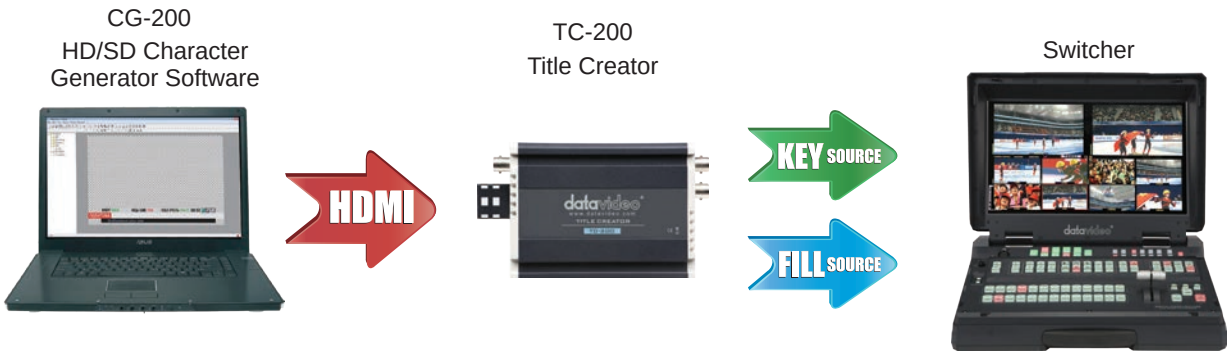
Portable CG Solution

HD / SD Character Generator Kit

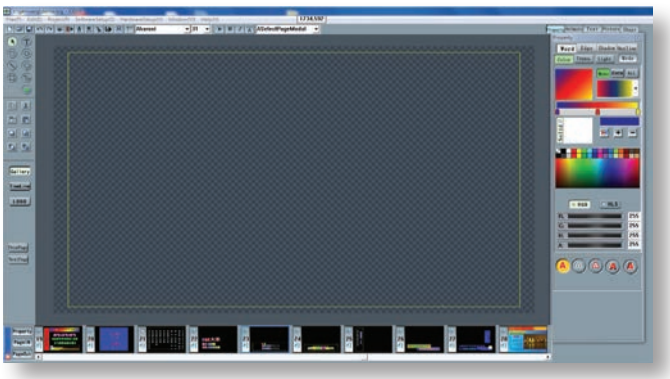
TC-200+CG-200

The combination of the TC-200 overlay unit and CG-200 brings broadcast-quality live titling to the laptop.
Users can now create beautiful motion graphics in real-time without the need for a dedicated workstation - it's a significant breakthrough.

- Includes TC-200 (Title Creator) & CG-200 (Character Generator Software)
- Supports DSK function (via HDMI) or SDI overlay function
- Support HD/SD SDI input and output in Overlay mode
- Supports HD video with 1080i 50/59.94/60; 720p 50/59.94/60
- Compatible with Windows 7/8
- Supports all Windows fonts
- Multi-language support
- Supports animation including JPG, TAG, GIF, BMP, PNG
- Title editing patterns include Slide, Reveal, etc.
- Supports scrolling
- Easy logo set up
- TC-200 working voltage is 7-15V. It can be used with 7.2 V & 14.4 V batteries



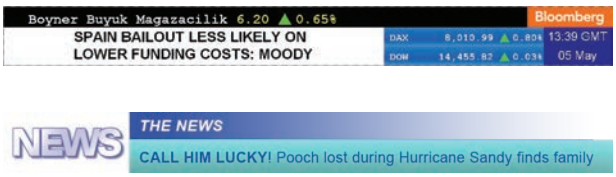
CG-250 (Optional)



Special Features of CG-250

- A variety of CG templates and text font choices
- Supports Live 3D graphic
- Key frame control
- Supports countdown clock and sport scoreboard

CG-200 Example



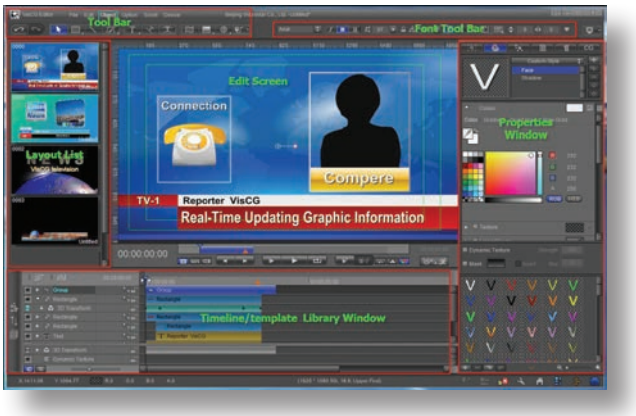
CG-250 Example

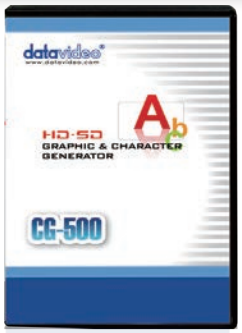
HD/SD Graphic & Character Generator

CG-500

The Windows based Datavideo CG-500 graphics, titling, and character generator software is a powerful multi-layer, real-time solution for live programming and post production. It is compatible with widely available professional video hardware and supports the flexible play-out of multiple playlists, or Datavideo's TC-200 device while titles are being created. CG-500 can be used for SD or HD news, reports, weather forecasts, and entertainment programming.

Hundreds of key frame based GPU effects, such as Swirl, Explode, and Linear Light can be rendered in real-time. The software features innovative group and text playing by character, by line, and by text, with fully dynamic textures.





Applications

Model	CG-500	CG-350	CG-250	CG-200	CG-100
SD resolution	●	●	●	●	●
HD resolution	●	●	●	●	
Manual playout control	●	●	●	●	●
Playlists	●	●	●		
Animated logo / sequence	●	●	●	●	●
Scheduling	●				
Dynamic Data integration	●	●		●	
Database integration	●			●	
Live 3D graphics	●		●		
Fast graphics rendering	●	●	●	●	●
Template-based	●	●	●	●	●
Media library	●	●	●		
Keyframe control	●		●		
Capture Video Frame	●	●			
Recommended Video Card for both Internal/External key	Datavideo TC-200 Decklink 4K Extreme	Datavideo TC-200 Decklink 4K Extreme	Datavideo TC-200	Datavideo TC-200	Decklink SDI / Studio

DV Prompter

TP-300

Protective Cases

HC-300/HC-500/ HC-600

A teleprompter allows a presenter to look into the camera lens and read a script from a reflected screen equipped with beam-splitter glass. Most teleprompters are for use in the studio but the Datavideo TP range can be used anywhere!

Convert Apple or Android smartphones and tablets into cost-effective and easy to use prompter solutions. Scripts can be easily loaded, character's font, size, color and scrolling speed are all adjustable.

Wired and optional Bluetooth remotes allow users to control the speed to achieve natural results.

The dv prompter application is available to download Free from Apple™ App Store™ & Google Play.

Model	TP-300	TP-500	TP-600	DVP-100
Product Name	Tablet Prompter (HD/SD Camcorders used)	DSLR Prompter	ENG Prompter	Wireless Prompting System
Device Used	Apple iPads Android Tablets	Apple iPads Android Tablets	Apple iPads Android Tablets	Features: • Multiple prompter screens kept in perfect sync • Remote control and script management over IP (WiFi/Ethernet) • IOS and Android Apps available
Camera-Mount Interface	Prompter Frame	Adjustable Camera Plate	Prompter Rail	
Smartphone/ Tablet Size	Min. Tablet Width: 105mm Max. Tablet Width: 198mm	Min. Tablet Width: 105mm Max. Tablet Width: 198mm	Min. Tablet Width: 105mm Max. Tablet Width: 198mm	
Multi-language support	Device dependent including Arabic and Asian languages such as Chinese, Japanese, Korean, Hindi, Tamil and more			
Hood Dimension/ Prompter Size	Width: 250mm Height: 210mm Depth: 447mm	Width: 250mm Height: 210mm Depth: 447mm	Width: 250mm Height: 210mm Depth: 447mm	
Remote Control	Wired Remote (inclusive) with headset jack input for Apple iOS devices and some Android devices *Optional Universal Bluetooth Wireless Remote (with USB cable adapter for charging purposes)			Yes, 10/100Mbps Ethernet Port
Net Weight	1.9 Kg	1.9 Kg	1.9 Kg	0.47 Kg

HD/SD-SDI PTZ Camera

PTC-150

Control Unit

RMC-180

1-4 Camera Control

HD/SD-SDI PTZ Camera

PTC-120

Control Unit

RMC-190

1-7 Camera Control

Model	PTC-150	PTC-120
Video format	1080p 59.94 /50 /30 /29.97 /25 Hz 1080i 59.94 /50 Hz 720p 59.94 /50 Hz 480i, 576i (on CVBS)	1080p 60 /50 /30 /29.97 /25 Hz 1080i 60 /50 Hz 720p 60 /50 Hz 480i, 576i (on CVBS)
Image Sensor	1/2.8 type MOS	1/2.8 type MOS
Effective Pixels (approx.)	2 Megapixels	2 Megapixels
Min. Illumination	Color: 0.4 Lux, B/W: 0.03 Lux	5 Lux
Electronic Shutter	1/50~1/2,000 sec	1/1 ~ 1/10,000 sec
Zoom Ratio	22x Optical zoom	20x Optical zoom ; 12x Digital zoom
Gamma	Yes, 4 modes	Yes, 4 modes
Iris Control	Auto / Manual	Auto
Digital Noise Reductions	Yes	2D & 3D
White Balance	AWB / AWC / Manual (Adjustable R and B signals) Outdoor / Indoor / Fluorescent	Auto / Indoor / Outdoor / One-Push / Manual
AGC / Gain Control	Low1 / Low2 / Low / Mid1 / Mid / High1 / High / OFF (Gain adjustable) Mirror / Flip Image	Auto / Manual
Mirror / Flip Image	Yes	Yes
Focus Mode	Auto / Manual / One-Push / STOP-AF	Auto / Manual
Panning/Tilting Range	Pan: 270° , Tilt: +90° to -20°	Pan: 340° , Tilt: +90° to -30°
Panning/Tilting Speed	1~150°/Sec	1~300°/sec
Preset	50 Position	128 Position
Field of View (Horzontal, Wide)	65.1°	63°
Image Compensation	Dehazing, Day & Night function	Backlight, Exposure
Video Output	3G-SDI x 1 HDMI x 1 CVBS x 1	3G-SDI x 1 DVI-D x 1 Component x 1 CVBS x 1
Tally LED	Dual color	N/A
Remote Control Interface	RS-422, DVIP (RJ45)	RS-232 & RS-422
Model	**RMC-180**	**RMC-190**
Maximum Camera Control	4	7
Preset Position	4 for each camera	128 for each camera
Control Protocol	Sony VISCA	Sony VISCA
Connection to Cameras	Point to Point	Daisy Chain

Multi-camera Control Unit

MCU-100P MCU-100S

Panasonic SONY

MCU-100 and MCU-200 are designed to control up to four camcorders in studio multicam configuration, giving the producer the ability to match and manage the settings of multiple cameras.
Small, compact and light weight, the handheld unit MCU-100 and the rack-mounted MCU-200 control all major image settings, such as iris, master pedestal and gain. They are easy to use in a pressurized environment, giving the camera operator the freedom to concentrate on framing each shot.

- Wide range of control functions include:
  - Gain Up/Down
  - Output Cam/Bar Selection (linked to Auto Knee)
  - White Balance A/B/Preset, AWB/ABB Execution
  - Shutter SS/Fix/Off Selection and Speed Setting
  - Iris Auto/Manual Selection and Adjustment
  - Master Pedestal, Painting
  - Camera Menu Operation, Recorder Operation (Rec/Play/FF/Rew/Rec Check)
  - User Buttons (3), Character On/Off)
- Memory function for camcorder settings
- USB interface for firmware update
- Remote control distance up to 1000m
- Bundled with four remote control cable adapters
- Supported Panasonic camcorders: AG-HPX255, AG-HPX600, AG-HPX370 / 371 / 372, AG-HPX300 / 301 / 302 /304 / AJ-HPX2700G / AJ-HPX3000 / AJ-HPX3700
- MCU-100S Supports Sony HDCAM, Digital BETACAM, and XDCAM camcorders.

Multi-camera Control Unit

MCU-200P/S

Connecting the MCU-100S/100P/200

Connect AD-1 adapter to the camera's CAM/BS port. Connect an ethernet cable from the AD-1 to the MCU. Parameters can viewed by connecting monitors to each AD-1 adaptor using a CVBS cable. MCU-100 and MCU-200 utilize locking power connectors.

Camera Remote Adaptor

AD-1P/S

(4 Included)

H.264 Video Streaming Server

NVS-25

H.264

NVS-25 is a small, easy-to-use video streaming and recording appliance designed for professional video producers who need to simultaneously stream a live event and record the master quality version for post-event editing. From any HDMI / SDI / CVBS input source such as a camera or switcher, NVS-25 generates an H.264-encoded stream compliant with RTSP / RTMP / HLS protocols. While encoding the video for live streaming, NVS-25 can simultaneously records a MP4 or .TS file to a USB storage device. NVS-25 is remotely controlled using Windows / Apple PC or mobile device with a web browser. Flexible mechanism design for desktop application or 1RU rack mount application.

- Broadcast quality HD / SD H.264 network streaming
- H.264 / AVC video CODEC, up to High Profile Level 4.0
- Input source: NVS-25 can accept SDI / HDMI / CVBS source input.
- Flexible source input: Analog audio input for 2 channels (This analog audio input supports audio source selection e.g. not only for CVBS analog audio, but also accept SDI or HDMI audio such as when you use PTC-150 to take video, the audio must come from somewhere). SDI and HDMI can also select embedded audio.
- Network feature: Support DHCP Client, RTSP over TCP/UDP/ HTTP with MPEG TS. RTMP, HLS protocols. Unicast Only.
- Flexible video scaler presets for streaming out
- Supports 3 types of GOP structure: IBBP, IPPP and IBP.
- Web UI for system configuration and FW upgrade.
- Support De-interlace video streaming output.
- Storage by USB device (Up to 1TB storage device).

IP Video Decoder

NVD-20

A wired IP video decoder with HDMI, Composite and analogue audio outputs. The NVD-20 decodes all common IP streams including RTP/RTSP, RTMP, UDP, TCP, HTTP and MPEG-TS and can output SD/HD video at resolutions up to 1080p60. The NVD-20 is the perfect partner to the Datavideo NVS-20 IP encoder allowing full HD point to point video links over Ethernet, WiFi or the Internet.

- Operates on standard 10/100Mb Ethernet networks
- Excellent image quality with very low delay
- Unicast and multicast support
- Supports RTSP over UDP (Unicast/Multicast), RTSP over TCP, RTSP over HTTP, MPEG-TS over UDP, RTMP over TCP, UDP raw (Unicast/ Multicast), HLS over HTTP
- Feature-rich WebUI for configuration and control
- Built in video scaler
- Supports Full HD video and audio
- Supports HDMI and Composite video output
- Supports simultaneous digital embedded and analogue audio output
- Small form factor, rack mountable using RMK-1
- 12V DC input

Network Controllable Media Player

NVP-20

The Datavideo NVP-20 is a fully automated remote control H.264 video player. The NVP-20 can use any USB storage device as its media source; Video files can then be added to the media player by physically copying them to the USB device or can be transferred over the network using FTP.
Using the feature rich web interface, the user can create and load playlists as well as remotely controlling video playback. With the addition of a USB keyboard, the NVP-20's on screen display means the unit can be used completely standalone without IP control.
Video playback can also be triggered via GPI.

- Operates on standard 10/100Mb Ethernet networks
- IP and GPI control
- Support multiple playlists
- Excellent image quality up to 1080p60
- Supports mp4, H.264,.mkv,.mov,.TS
- IP control supports play next clip, play all clips, loop play all clips, pause, resume and seek
- Supports NTFS and FAT/FAT32 formatted USB storage
- Feature-rich WebUI for configuration and control
- Built-in video scaler
- Supports Full HD video and audio
- Supports HDMI and Composite video output
- Supports simultaneous digital embedded and analogue audio output
- Small form factor, rack mountable using RMK-1
- 12V DC input

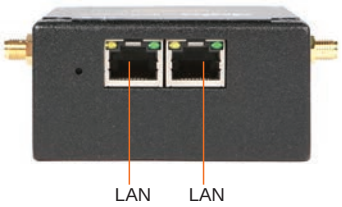
High Power Wi-Fi Bridging Unit

NVW-150

NVW-150 is a miniature carrier class WiFi distribution system. Users can connect any network enabled devices via Ethernet to NVW-150 which can then transparently link to a second NVW-150 or NVW-250 with a range of over 250m with the supplied antenna.

- Connect any network (IP) enabled devices through a long and high range WiFi link
- Completely transparent, devices connected to either end of the WiFi link will behave exactly as they would if they were connected directly with an Ethernet cable
- Multiple units can be used together (Point to Multipoint)
- Supports transmission speeds up to 450Mb/s
- Supports transmission distances greater than 250m with the supplied antenna (further with optional external antennas).
- Automatically adjusts transmission rates based on current conditions to maintain link stability
- Supports narrow channel widths for increased range and interference immunity
- Can be powered from any DC source (5-20V), 9-24V Passive POE supported
- Wireless profit supports NA (5Ghz 802.11a/n)
- No radio licences required

REAR PANEL



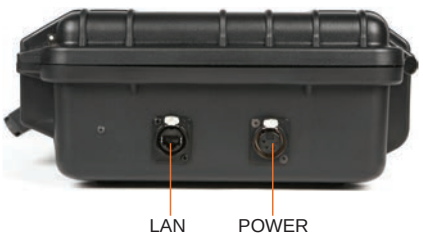
Dual Radio High Power Wi-Fi Bridging Unit

NVW-250

Housed in a rugged case, NVW-250 is a high-power dual radio WiFi distribution system and local WiFi access point. It transparently links with Datavideo NVW-150/250 units and delivers a range of over 500m with the supplied antennas (further with optional external antennas). It creates a local hotspot to connect devices via WiFi and Ethernet.

- Dual radio design allows one radio to be used for the backhaul between bridging units and the other as a local access point.
- Ideal for covering larger distances, directional antennas can be used to connect bridging units while the local access point still allows free Omni-directional roaming at each end.
- Supports transmission distances greater than 500m with standard antennae / 10KM with external antennae
- Wireless profit supports either NA (5Ghz 802.11a/n) or NG (2.4Ghz 802.11g/n). For increased devise compatibility, it is recommended to use NG for the local access point.
- Dual V-mount battery slot for extended battery life
- Regulated 12V 5A XLR power output for powering external devices
- No radio licences required

SIDE PANEL



Intercom System

ITC-100

Communication between the director, camera crew, lighting engineer and control room is essential to produce a polished end result. The ITC-100 Intercom system provides 8-way talkback and tally indicators. The producer can talk to an individual channel or to all channels simultaneously.
High S/N ratio makes the communication crisp and clear. The ITC-100 is a standard 19/1RU rack design, so it is easy to integrate into any rack system for using in the field or studio.

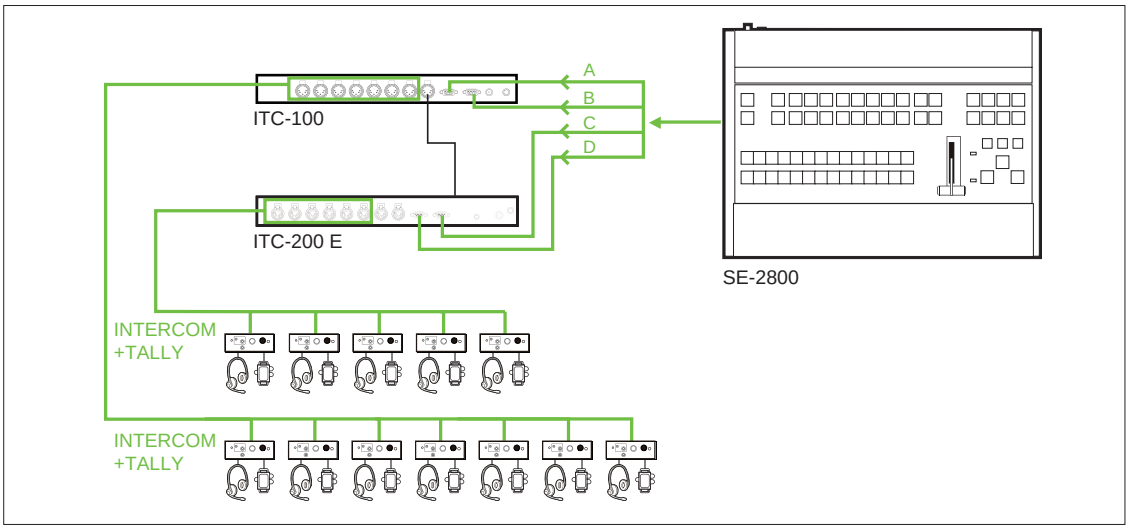
- Standard 19/1RU rack design
- Supports 8-Way talkback (standard package includes 4 sets of ITC-100SL with belt-pack accessories)
- Additional external earphone and microphone interface
- Dual color tally light indicator
- Selectable channel talk, broadcast to all or mute
- Communication distance up to 200m
- Supplied complete with gooseneck mic and light

Intercom Expansion Unit

ITC-200E

The ITC-200E provides an additional 4 channels to existing Datavideo ITC-100 Intercom systems. Connecting with the ITC-100 gives up to 12 additional intercom channels.

Setup Diagram



Live HD/SD Chromakeyer

DVK-300HD

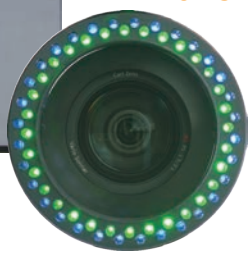
DVK-300HD is easy and intuitive to use, delivering great results even in the most challenging environments.
Most HD chromakey systems are either complex computer-based solutions or included in vision mixers with limited keying features. The DVK-300HD is ideal for users that simply need professional featured and affordable live keying in a portable device.
DVK-300HD can be used by a computer to connect directly or remotely over an IP network.
HDMI and SDI inputs make the DVK-300HD perfect in any live environment, it includes a range of resolutions like, traditional SD resolutions and up-to full HD 1080p.

Dual Color Chromakey Kit

CKL-300

RF-1025+LD-1

Highly Retro-Reflective Cloth
RF-1025

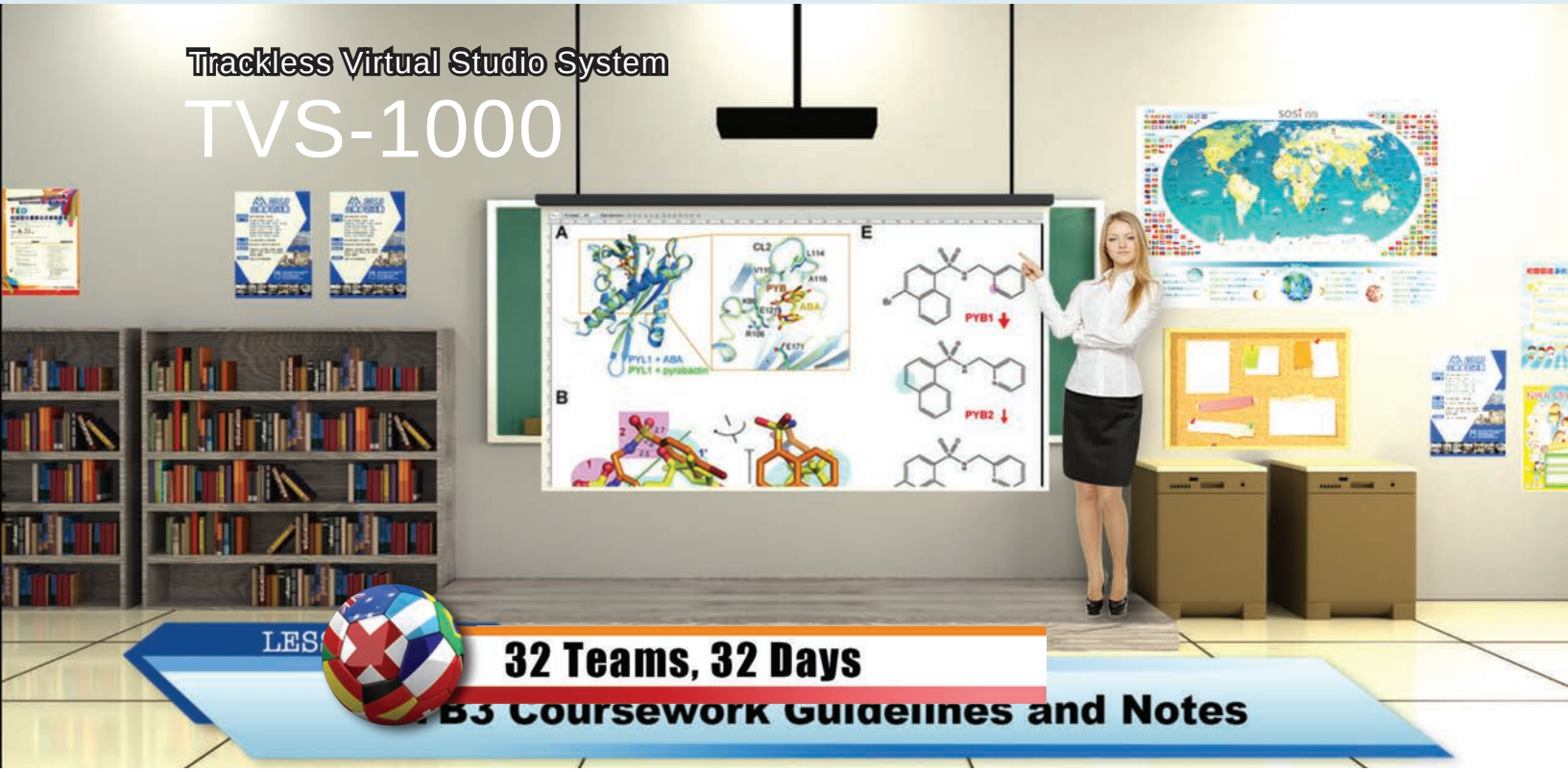


Dual Color LED Light Ring
LD-1

Datavideo CKL-300 is a combination of a dual color (green & blue) LED ring, light controller and a unique 3 x 0.9m (w) x 2.5m (h) retro-reflective backdrop cloth, which is embedded with tiny glass beads.
The LED light ring is mounted on the lens of the camera, and projects a highly directional green or blue light on the backdrop cloth. Thanks to the reflective beads, light is then projected back to the camera creating a perfect green or blue background, providing you with excellent keying results with minimal effort.

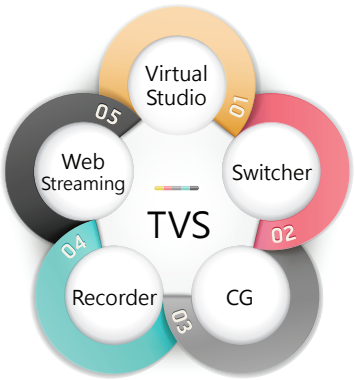
- Light ring lens size 72 mm (stepping rings 52-82mm available from resellers)

Model	DVK-300HD	DVK-200
Video Standard	3G/HD/SD	SD
Video Format	1080p (25/30/50/59.94/60 Hz) 1080i (50/59.94/60 Hz) 720p (50/59.94/60 Hz) 480i (NTSC), 576i (PAL) Autodetect	480i (NTSC), 576i (PAL) selectable
Foreground Inputs	1x 3G/HD/SD-SDI 1x HDMI (1.4)	1x Composite Video 1x Y/C (S-Video) 1x YUV (Component) 1x DVI-I
Background Inputs	1x 3G/HD/SD-SDI 1x DVI-I	1x Y/C (S-Video) 1x Composite Video
Loop Through	N/A	CV, YUV & Y/C only
Output	2x 3G/HD/SD-SDI 1x HDMI	2x Composite Video 1x Y/C (S-Video)
Keying Options	Chormakey Green / Blue, Lumakey	Chormakey Green / Blue, Lumakey
Key Mask/ Spill Correction/ Edge Correction	Yes	Yes
Color Processor	Foreground: Brightness, Contrast, Saturation, Ambient Intensity	Foreground & Background: Brightness, Contrast, Satuation, Tint
Noise Reduction	Yes	N/A
User Preset	4	2
GPI In/Out	N/A	Yes
Controlled Via	Ethernet	Front Panel, RS-232
Chassis	1RU 19" Rack-mount Design	2RU 1/2 Rack Design



The TVS-1000 is a 5 in 1 design which consists of trackless virtual studio system, video switcher, character generator, video recorder and web streaming encoder. It's a versatile, easy to use and cost-effective solution. TVS-1000 is suitable for production companies, corporate producers, users in education, small studios and TV stations.

As a virtual studio solution, TVS-1000 supports pan, tilt and zoom camera movements for a dynamic effect. The built-in Virtual Set Maker allows users to fully customize their sets: background images can be inserted with ease, logos can be added to any surface and video can be run in the backdrop. In addition, professional studio templates can be downloaded on http://www.datavideovirtualset.com



- Five in One: Virtual Studio, Switcher, Charter Generator, Recorder and Web Streaming
- Use just one HDMI input: four virtual studio angle), each angle supports 3 phases (pan, tilt, zoom type movements)
- Support additional TVS-AUX Card to have one more input
- Mini phone jack audio input, audio embedded to PGM HDMI output.
- 2 x DSK to add CG and animation to the scene
- Edit the background: add graphics or videos in the background
- Chroma Key function delivers perfect keying
- 30 free set virtual set backgrounds are included
- Free TVS-1000 control panel (RMC-220) is included
- Virtual set maker software is included. Easy to create your own style virtual set

Applications

TV Station

School

Personal Studio

TVS-1200 Functions

TVS-1200 Key Function

Two SDI camera inputs and two chromakeyers create more flexibly and creative video. TVS-1200 is perfect to use in talk show and broadcast market.

- Two SDI inputs to create four virtual studio angels. Each angle support 3 phases (Pan, tilt, zoom type movement)
- Two SDI outputs
- Tally Signal and mini phone jack supported.

TVS-1200/ TVS-1000 Functions

TVS series provides free virtual set maker software for you to create your own virtual set.

datavideovirtualset.com

Download professional virtual set backgrounds from the datavideovirtualset.com

30 virtual set backgrounds

Included with TVS-1000/ TVS-1200

TVS Main Unit with Control Panel RMC-220

RMC-220 TVS control panel provides users with easy control of the TVS Virtual Studio System by mimicking a switcher interface. The RMC-220 has also been equipped with 10 function keys, which can directly trigger the assigned function by pressing the corresponding key.

TVS-AUX card (Optional)

The TVS-AUX capture card is specially designed for displaying media files via the HDMI port. It supports files from popular applications such as PowerPoint and various media players. The TVS-AUX card can be used by the TVS-1000 and TVS-1200 systems.

Specification

	TVS-1000	TVS-1200	TVS-AUX
Video Input	HDMI x1	SDI x 2	HDMI x1
Video Output	HDMI x 1	SDI x 2	HDMI x 1
Video Input Format	1080 30P/29.97P/25P 1080 60i/59.94i/50i 720 50P/59.94P	1080 60P/59.94P/50P 1080 60i/59.94i/50i 720 60P/59.94P/50P	1080 30P/29.97P/25P 1080 60i/59.94i/50i 720 50P/59.94P
Audio Input	Mini Phone Jack x 1 HDMI audio embedded	Mini Phone Jack x 1 SDI audio embedded	Mini Phone Jack x 1 HDMI audio embedded
Tally	NO	YES	NO
Downstream Key	2	2	
Media	2(DDR)	2(DDR)	
Virtual Studio	30 sets (20 sets included+10 sets free download)	30 sets (20 sets included+10 sets free download)	
Still Picture	2	2	
Still Text	2	2	
Keyer	Chromakey/ Luminance key	Chromakey/ Luminance key	
Recording	H.264/ MPEG-2	H.264/ MPEG-2	
Live Streaming	TS HTTP TS RTP TS UDP TS RTSP FLV HTTP FLV RTMP	TS HTTP TS RTP TS UDP TS RTSP FLV HTTP FLV RTMP	
Hard Disk Capacity	1TB	1TB	

Sampling Vector Scope Monitor

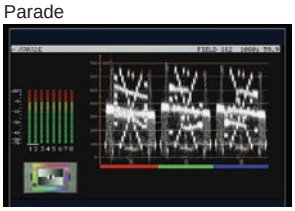
VSM-100

Accurate video signal analysis and calibration has always been crucial to any live production.
Datavideo VSM-100 and VSM-200 waveform / vectorscope monitor series seamlessly integrate into a compact 19 rack system to ensure consistent and legal color and luminance video levels. At 2RU, they are perfect for use in a production van or any space-limited setup.
VSM-100 has a single waveform / vectorscope unit while VSM-200 features dual scopes. Both models come with two LCD screens, thus no external monitors are required; as such it's highly cost effective.

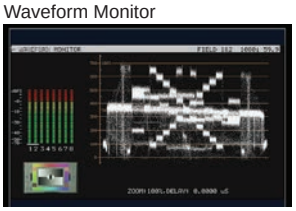
- VSM-100: one waveform / vectorscope unit with two 4.3-inch HD monitor screens
- VSM-200: two waveform / vectorscope unit with two 4.3-inch HD monitor screens
- Sampling Vectorscope
  - HD/SD-SDI input
  - HDMI and HD/SD-SDI output, SDI output can be assigned as video source loop out or vectorscope display
  - Auto-detect NTSC, PAL and HD signals
  - Support four analysis modes: Waveform, Vectorscope, Parade (YCrCb & RGB) and Histogram
  - Save and Recall traces for easy comparison of different video signals
  - Video input thumbnail with selectable 16:9/4:3 aspect ratio
  - Vectorscope reticle can be toggled between 75% and 100%
  - Waveform detail can be zoomed 20%, 40%, 60% and 100% - Adjusting Horizontal Delay to view parts of the waveform
  - Support embedded audio with on-screen audio level meter for up to 8 selecteable channels
- Monitor screens
  - Each monitor has one HDMI and one HD/SD-SDI input with loopthrough output
  - Auto-detect NTSC, PAL and HD input signal
  - Individual adjustments of Brightness, Contrast, Color Saturation and Back Light Level for each monitor
  - Support Blue Only function, Safe area marking and Timecode display
  - Support embedded audio on SDI, HDMI
  - Audio monitoring via on-screen audio level indicator and front panel headphone jacks
  - 4:3 & 16:9 display mode switching
- Standard 19-inch rack size, 2RU height, easy for system integration

	VS-100	VS-150	VSM-100	VSM-200
	Waveform/ Vector Scope	Waveform/ Vector Scope	Waveform/ Vector Scope	Waveform/ Vector Scope
Video Inputs	1x HD/SD-SDI	1x HD/SD-SDI	1x HD/SD-SDI	2x HD/SD-SDI
Video Outputs	1x HDMI	1x HDMI	1x HD/SD-SDI	2x HD/SD-SDI
Loop Through	1x HD/SD-SDI	1x HD/SD-SDI	N/A	N/A
Audio Inputs	Embedded Audio through SDI interface			
Audio Outputs	1x 2-Channel 1/8 Jack (Monitor any 2 of 8 audio channels.)			
Input Resolutions	1080i (50, 59.97, 60Hz), 1080p (24, 25, 30Hz), 720p (25, 29.97, 30, 50, 59.97, 60Hz), 576i, 480i			
Additional I/O			• Screen #1: 1x HDMI Input • Screen #2: 1x HDMI Input • VS/WFM: 1x HDMI Output	• Screen #1: 1x HDMI Input • Screen #2: 1x HDMI Input • VS/WFM #1: 1x HDMI Out • VS/WFM #2: 1x HDMI Out

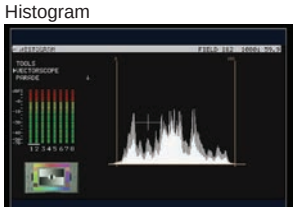
Parade



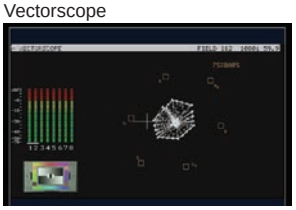
Waveform Monitor



Histogram



Vectorscope



Audio Delay Box with Level Adjustment

AD-200

Datavideo offers a solution - AD-200. This 2-piece audio system has a rack-mount design for installation in an OB Van or PPU. The AD-200 features an audio mixer with level adjustment and audio delay capabilities. The matrix-type audio mapping function allows a combination of multiple audio input channels into one or more output channels. Up to 3 seconds of delay are available to synchronize audio with video.
AD-200 is user-friendly with a clear OLED display and supports 2 audio inputs for a microphone or line input.

Audio Delay Box

AD-100

AD-100 is an easy to use audio delay box, enabling synchronisation of audio and video. The unit features RCA (phono) connector as well as XLR type connection. Built in a rugged metal housing for use in the field or studio.

- RCA (phono) connector as well as XLR type connection.
- Built in a rugged metal housing for use in the field or studio setup
- Low power consumption

Audio Isolation Transformer

DAC-80

DAC-80 is designed to remove hum and buzz created by ground loops. Voltage differences between different pieces of equipment cause small AC power currents to flow within the shield of audio cables. Capacitance issues can also introduce small current flows within the cable shield. Both problems will create hum in audio signals. DAC-80 delivers the clean audio signal you need, yet remains transparent within the production chain.

Balanced/ Unbalanced Audio Converter

BAC-03

- Stereo Balanced Audio In / Out via XLR Sockets
- Stereo Unbalanced Audio In / Out via Phono Sockets
- Robust Metal Construction
- Supplied c/w Power Adapter

Audio Mixer

AM-100

AM-100 is a 1RU 5-channel mixer designed for live video and TV environments. Channels 1 to 4 are designed for microphone or line inputs. The 5th channel is for secondary AUX XLR inputs.
AM-100 supports audio-follow-video switching. It is ideal for integration with a Datavideo video switcher.

- Ultra-compact 4 input + 2 AUX mixer featuring low noise, high-headroom design
- Four studio-grade Dynamic Range mic preamps with:
  1.Ultra –wide 60dB gain range
  2.130dB dynamic range
  3.+22dBu line input handling
  4.Extended low-frequency response
  5.Distortion under 0.0007% (20Hz~20KHz)
  6.Phantom power for studio condenser mics
- Six high-headroom line inputs
- High resolution 8 segment stereo meters
- Ear phone 6.3mm with knob x1
- Tally In (D-Sub)
- Level indictor
- A+V switch

Camera Power Center

PD-6

PD-2A 400 watts 1RU 19 rack Power Distribution Center provides a steady power supply for studio equipment, such as the video switcher, monitors, recorders and intercom system.
It features auto-switchable inputs of AC 110V/220, a UPS interface and DC 12V ports.
PD-2A has 4 12V/3A terminals, two 12V/5A terminals, two 12V/10A terminals (shared) and XLR DC outputs. It provides up to 400 Watts.
The PD-2A adds reliability to studio equipment and consolidates power supplies and cabling.
Datavideo PD-4A Power Distribution Center comes with two AC power supplies to provide instant fail-over redundancy. PD-4A provides multiple DC 12V outputs. The automatic port control sequencer intelligently initiates each output to ensure the power supply on start-up.

The PD-4A can also be powered from a regulated DC 12V power source. It can run from a car or van's power outlet with the use of a suitable regulator.
PD-6 is a 19-inch, rack mountable, universal AC to DC Power Distribution Center, designed to supply steady and sequenced voltage for the production kit while on location or in your studio.
Perfect for use in conjunction with Datavideo studio equipment and the CB-22H / CB-23H via a single power cable. Each of the eight outputs can be configured individually, DC48V, 24V, 14.4V & 12V, with a total power consumption of 360W.

	PD-2A	PD-4A	PD-6
Product Name	Studio Power Distributor	Redundant Power Centerributor	Camera Power Distributor
AC input	• 100~240 VAC (50Hz or 60Hz) • AC input outlet: One AC input with Power Switch	• 100~240 VAC (50Hz or 60Hz) • AC input outlet: Two AC inputs & Two Power Switches	• 100~240 VAC (50Hz or 60Hz) • AC input outlet: One AC input with Power Switch
DC Backup Input	• One DC 12V/32A, • supports non-regulated DC 12V output	• One DC 12V/25A, • supports non-regulated DC 12V output	N/A
DC Outputs	8 12V±5%, 3A XLR DC Female Jack x 4 12V±5%, 5A XLR DC Female Jack x 2 12V±5%,10A XLR DC Female Jack x 2	5 12V±5%, 5A XLR DC Female Jack x 4 12V±5%, 10A XLR DC Female Jack x 1	8(x4 30W,x4 60W) 30W:12V(2.5A),14.4V(2A),24V(1.25A),48V(0.6A) 60W:12V(5A),14.4V(4A),24V(2.5A),48V(1.25A) PIN1:GND PIN2:DC OUT PIN3/4:NC
Max. Power Rating	400W	360W	360W
DC Overload	DC overload protection, auto-recovery fuses on each DC output terminal	DC overload protection, auto-recovery fuses on each DC output terminal	Protection type: Recovery automatically after fault condition is removed
AC Overload	non-recovery fuse on the AC input outlet	non-recovery fuse on the AC input outlet	non-recovery fuse on the AC input outlet
LED Indicator	8 DC output LED indicators	Green LED: Unit under working condition Red twinkle: AC Input failed 1~4 XLR DC outputs LED indicator	LED Color Indicator: Red:48V, Weak Red:24V, Green:14.4V, Blue:12V
Power source Input Select AUTO/AC	Selectable of Auto/AC input switch	Selectable of Auto/AC input switch	N/A

DC to DC 12/7.2V 4A Converter

DDC-4012H

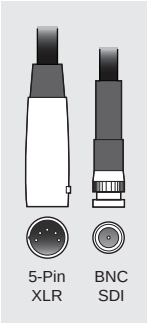
DC to DC 12V/ 2.5A Converter

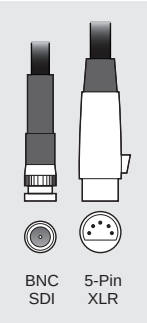
DDC-2512

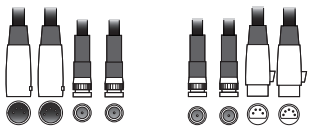
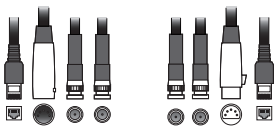
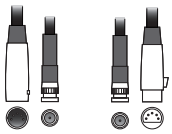
		DDC-4012H	DDC-2512
Input	Voltage Range	15V~50V DC	9V~30V DC
	Efficiency(Typ.)	UP TO 85%	UP TO 85%
Output	DC Voltage	7.2V / 8.4V / 12V	12V
	Voltage Tolerance	±3%	±3%
	Rated Current	4 A	2.5 A
	Current Range	0~4 A	0~2.5 A
	Rated Power	48W	30W
	Ripple & Noise(Max)	<400mV	<400mV
Protection	Over Load	105%~150% rated output power	105%~150% rated output power
		Protection type: Recovery automatically after fault condition is removed	Protection type: Recovery automatically after fault
Connector	DC Input 4Pin XLR Male	PIN1:GND , PIN2/3:NC , PIN4:DC IN	PIN1:GND , PIN2/3:NC , PIN4:DC IN
	DC Output 4Pin XLR Female	PIN1:GND , PIN4:NC, PIN2:DC IN	PIN1:GND , PIN2/3:NC , PIN4:DC OUT
	DC Output 5.5Mm DC Jack	Center: DC OUT , Shell: GND	Center: DC OUT , Shell: GND
Environment	Working Temp	0°C to 40°C (32°F to 102°F)	0°C to 40°C (32°F to 102°F)
	Working Humidity	10% to 90% (non condensing)	10% to 90% (non condensing)
	Storage Temp.humidy	-40°C to +85°C, 10~95% RH	-40°C to +85°C, 10~95% RH
Others	Dimension	115 mm x 50 mm x 35 mm (L x W x H)	115 mm x 50 mm x 35 mm(L x W x H)
	Weight	Approx. 0.3 kg/ 0.66 lbs	Approx. 0.3 kg/ 0.66 lbs
	Cable	UL 2464 ,18AWG, L=1M	UL 2464 ,18AWG, L=1M
	Slide Switch	Selected 7.2V or 12V output	–
	LED Lamp	RED:DC out 12V, Green: DC out 7.2V	–

HD/SD 30m/50m/100m All In One Cable for Portable Video Studio

CB-46/ 47/ 48





Model	CB-22H/ 23H	CB-30/ 31	CB-46/ 47/ 48
			
Interface	- 1 x 4-pin XLR power cable - 1 x 5-pin XLR ITC/Tally cable - 1 x 75Ω BNC for HD/SD SDI video - 1 x 75Ω BNC for CV return video	- 1 x 5-pin XLR ITC/Tally cable - 1 x 75Ω BNC for HD/SD SDI video - 1 x 75Ω BNC for CV return video - 1 x CAT-5 cable for Camera control	- 1 x 75Ω BNC for HD/SD SDI video - 1 x 5-pin XLR ITC/Tally cable
Length	CB-22H: 30m CB-23H: 50m	CB-30: 30m CB-31: 50m	CB-46: 30m CB-47: 50m CB-48: 100m
Repeater	VP-605H	VP-633 and VP-634	VP-633 and VP-634
Applications	- Intercom & Tally - DC Power 12~48V - Video (including HD-SDI) - Return video for Look Back monitor - Datavideo OBV or Mobile Studio	- EFP Multi-camera Operation - Mobile Video Studio	- Intercom & Tally - Video (including HD-SDI) - Range of Datavideo Mobile or Portable Video Studio

100m SDI Repeater (Powered)

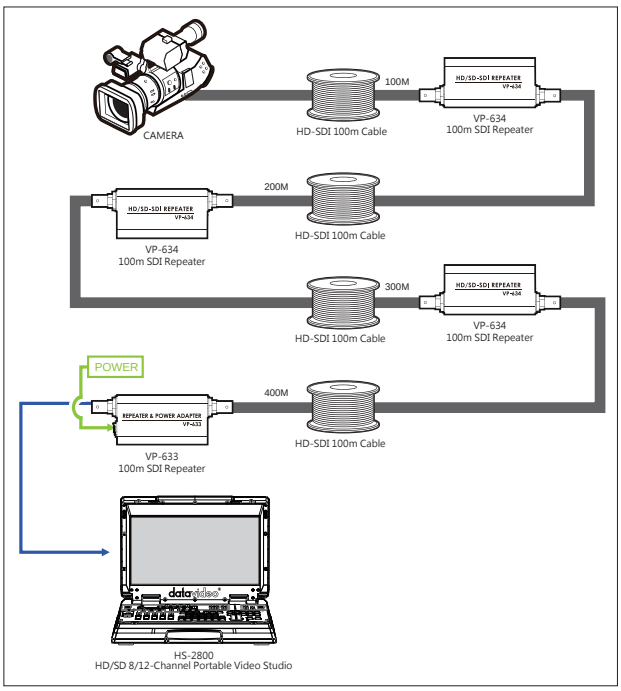
VP-633

100m SDI Repeater (Unpowered)

VP-634

VP-633/VP-634 SDI repeaters can significantly extend the maximum cable run of standard SDI cabling.

Up-to 4 SDI repeaters can be used in one chain, allowing runs of up to 1000m SDI video through good quality SDI cable. Each run must contain a VP-633 as this has a power connection to supply power through the SDI cables which then powers the subsequent VP-634's (which do not require additonal power). For applications where runs of a few hundred meters HD-SDI video are required (concert hall, sports stadium etc.), the Datavideo VP-633 & VP-634 are a very cost effective solution.



All In One Cable Extender

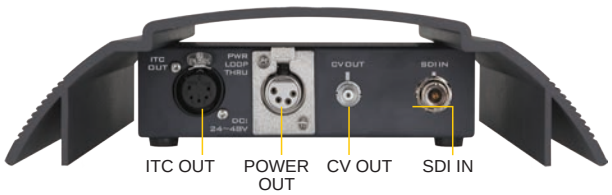
VP-605H

Create SDI cable runs up to 200m

The all-in-one signal repeater provides composite video, power, and intercom connections. It's perfect for use with the CB-22H / CB-23H cables.

FRONT VIEW

REAR VIEW



Composite Signal Repeater

VP-737

VP-737 is designed to be a composite video signal repeater that separates into two units. One unit is installed near the video signal source for transmission, and the other is near the display as a receiver.

It is able to extend a composite signal up to 200 meters away over a Cat5e (or better) cable. With no software configuration requirements, the installation and setup is quick and hassle-free.

- Wired composite video transmission as far as 200 meters
- Completely adaptive - quick, easy installation and setup, no configuration required
- Cat5e extension design make use of existing Cat5e or better wiring infrastructure

Model	VP-605H	VP-633/634	VP-737
Video and Signal	Input: HD/SD-SDI、CV、Talkback, Tally, DC in Output: HD/SD-SDI、CV、Talkback, Tally, DC out	Input: HD-SDI/SD-SDI Output: HD-SDI/SD-SDI	Transmitter - CV Input (BNC) - DC Input - CAT 5 Output (RJ-45) Receiver - CV Output (BNC) - CAT 5 Input (RJ-45)
Standard	SD: SMPTE 259M HD: SMPTE 292M	SD: SMPTE 259M HD: SMPTE 292M	SD: SMPTE 259M
Video Format	SD：720x480i、720x576i HD：1280x720 50P / 59.94P / 60P 1920x1080 50i / 59.94i / 60i 1920x1080 24P / 25P / 30P	SD：720x480i、720x576i HD：1280x720 50P / 59.94P / 60P 1920x1080 50i / 59.94i / 60i 1920x1080 24P / 25P / 30P	625i PAL, 525i NTSC
Audio	SDI Embedded Audio	SDI Embedded Audio	N/A
Power	DC 12V ~ 25V	DC 12V ~ 25V (VP-633 only)	DC 12V

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